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**New Claims**

1. Method for measuring radio-interference levels within a given frequency range, wherein the  
10 frequency range is adjusted in a pre-measurement; wherein a measuring level of the signal to be measured is detected at each measuring frequency and compared with a limit value; wherein the level measured at the respective measuring frequency is

15 marked as the radio-interference level, if the limit value is exceeded by the measuring level; and wherein each marked radio-interference level is measured more accurately with regard to its respective runtime performance in a post-  
20 measurement,

**characterised in that**

the for detecting of a frequency drift mid-frequency of the measuring-frequency range of the post-measurement, which is repeated cyclically in alternation with the pre-measurement, is tracked,  
25 for each marked radio-interference level, to the mean frequency of the changing radio-interference level just determined in the preceding pre-measurement.

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2. Method for measuring radio-interference levels according to claim 1,

**characterised in that**

35 the measuring level of each radio-interference level, which varies relative to the preceding pre-

measurement with regard to its frequency and/or its measuring level, is determined in each pre-measurement, which is repeated cyclically in alternation with the post-measurement.

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3. Method for measuring radio-interference levels according to claim 1 or 2,  
**characterised in that**  
the frequency range in the pre-measurement is  
10 adjusted within a given frequency grid.
4. Method for measuring radio-interference levels according to any one of claims 1 to 3,  
**characterised in that**  
15 the measuring level of the respective radio-interference level is measured in a second measuring runtime of the post-measurement several times repeatedly by comparison with a first measuring runtime of the pre-measurement.
- 20 5. Method for measuring radio-interference levels according to claim 4,  
**characterised in that**  
a level evaluated according to one of several  
25 variable evaluation methods is determined from the measuring levels for each marked radio-interference level sampled repeatedly in the post-measurement.
- 30 6. Device for measuring radio-interference levels according to any one of claims 1 to 4,  
wherein the device comprises a functional spectrum-analyser unit (15) for identifying radio-interference levels and determining the mean

frequency of the identified radio-interference  
levels within the context of a pre-measurement,  
a functional measurement-receiver unit (16) for the  
multiple sampling of the measuring level of the  
radio-interference level identified by the  
functional spectrum-analyser unit (15) and for  
statistical evaluation of the sampled measuring  
levels within the context of a post-measurement and  
a micro-computer, which is prepared to control the  
device in a manner that all features of claim 1 are  
performed.

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